

SAC & FOX LUST ASSESSMENT COST ESTIMATE

Vendor: TERRANEXT, LLC
Project Name: Sac & Fox Truck Stop

Date: November 17, 2016

Project Location: 1346 US 75 Hwy, Powhattan, KS

	RATE	UNIT	X	QUANTITY	=	COST
Field Investigation						
<i>TERRANEXT LABOR & EQUIPMENT - Well Installation / Soil Vapor Survey / Groundwater Sampling Event</i>						
Geologist	\$50.00	HOUR	X	30	=	\$1,500.00
Pickup Truck	\$50.00	DAY	X	3	=	\$150.00
Water Level Meter	\$10.00	DAY	X	1	=	\$10.00
PID	\$50.00	DAY	X	2	=	\$100.00
Per Diem	\$100.00	DAY	X	2	=	\$200.00
Well Sampling Supplies	\$20.00	WELL	X	11	=	\$220.00
<i>SUBSURFACE DRILLING - RAZEK Environmental, LLC</i>						
Drilling Activities (4 wells, 2 soil vapor locations)	\$6,783.00	COST +10%	X	1.1	=	\$7,461.30
* no costs included for IDW transport & disposal						
<i>LABORATORY ANALYTICAL TESTING</i>						
GROUND WATER (Eleven samples + 1 trip blank + 1 duplicate)						
BTEX, MtBE, Naphthalene & TPH GRO (Method 8260)	\$45.00	SAMPLE	X	13	=	\$585.00
SOIL VAPOR (two locations, 2 samples/location + 1 duplicate sample + 1 indoor air sample + 1 ambient air sample)						
BTEX, Naph, MtBE & TPH GRO (TO-15)	\$200.00	SAMPLE	X	7	=	\$1,400.00
UTILITY LOCATE	\$865.00	COST +10%	X	1.1	=	\$951.50
SURVEYING	\$800.00	COST +10%	X	1.1	=	\$880.00
Field Investigation:						\$13,457.80

Reporting						
Work Plan	\$1,200.00	LUMP SUM	X	1	=	\$1,200.00
Soil Vapor Survey Report	\$800.00	LUMP SUM	X	1	=	\$800.00
Well Installation / Groundwater Monitoring Report	\$1,400.00	LUMP SUM	X	1	=	\$1,400.00
Project Management & Reporting:						\$3,400.00

Field Investigation:	\$13,457.80
Project Management & Reporting:	\$3,400.00
TOTAL COST ESTIMATE:	\$16,857.80

Four Quarterly Groundwater Monitoring Events						
Geologist	\$50.00	HOUR	X	48	=	\$2,400.00
Pickup Truck	\$50.00	DAY	X	4	=	\$200.00
Water Level Meter	\$10.00	DAY	X	4	=	\$40.00
<i>LABORATORY ANALYTICAL TESTING</i>						
GROUND WATER (Eleven samples + 1 trip blank + 1 duplicate per event x 4 events)						
BTEX, MtBE, Naphthalene & TPH GRO (Method 8260)	\$45.00	SAMPLE	X	52	=	\$2,340.00
Groundwater Monitoring Report	\$800.00	LUMP SUM	X	4	=	\$3,200.00
TOTAL COST ESTIMATE:						\$8,180.00